

LA-UR-21-24623

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Title: Characterization of foils rolled for TUM: One

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Characterization of foils rolled for TUM: One 5/12/21

Eric Tegtmeier Erik Luther

Meas Spec

 Length (inch)
 30.02"
 30.000 +/- 0.062

 Width (left)
 1.771"
 1.772 +/- 0.010

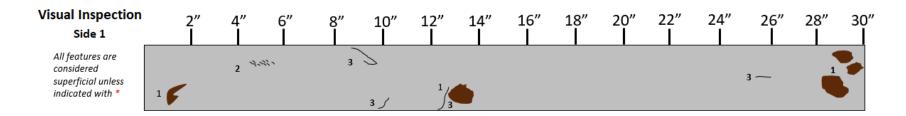
 Width (middle)
 1.753"
 1.772 +/- 0.010

 Width (right)
 1.751"
 1.772 +/- 0.010

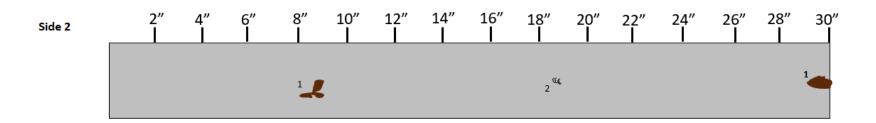
burs (right) none burs (left) none

Thickness measurements (thousandths of inch) Spec = 0.0170 +/- 0.0025

Distance from corner	0"	2"	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"
0	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
0.85	20.5	20	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
1.7	19.5	19.5	20	20	20	19.5	19.5	20	20	20	20	20	20	20	20	20



- 1 discoloration/stain
- 2 small surface scuffs
- 3 scratch



- 1 stains
- 2 dark gray scuff mark or tiny scratches

3K32-N8-XL8V-F1 Macros





FOIL ID: 3K32-N8-XL8V-F2

Meas Spec

 Length (inch)
 30.048
 30.000 +/- 0.062

 Width (left)
 1.775"
 1.772 +/- 0.010

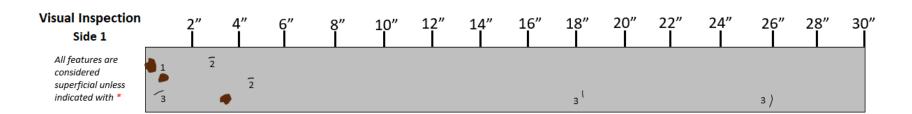
 Width (middle)
 1.754"
 1.772 +/- 0.010

 Width (right)
 1.758"
 1.772 +/- 0.010

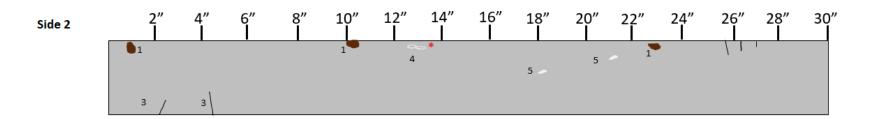
burs (right) none burs (left) none

Thickness measurements (thousandths of inch). Spec = 0.0170 +/- 0.0025

Distance from corner	0"	2"	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"
0	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
0.85	20.5	20.5	20.5	20.5	20.5	21	20.5	20.5	20.5	21	21	21	21	21	21	20.5
1.7	20.5	20.5	21	21	21	21	20.5	21	21	21	21	20.5	20.5	20.5	21	21



- 1 discoloration/stain
- 2 small surface scuffs
- 3 scratch



- 1 stains
- 2 dark gray scuff mark
- 3 scratch
- 4 shiny area around more oxidized grains (SCC?)
- 5 Shiny area w/grain shape. Less oxidized?

3K32-N8-XL8V-F2 Macros



